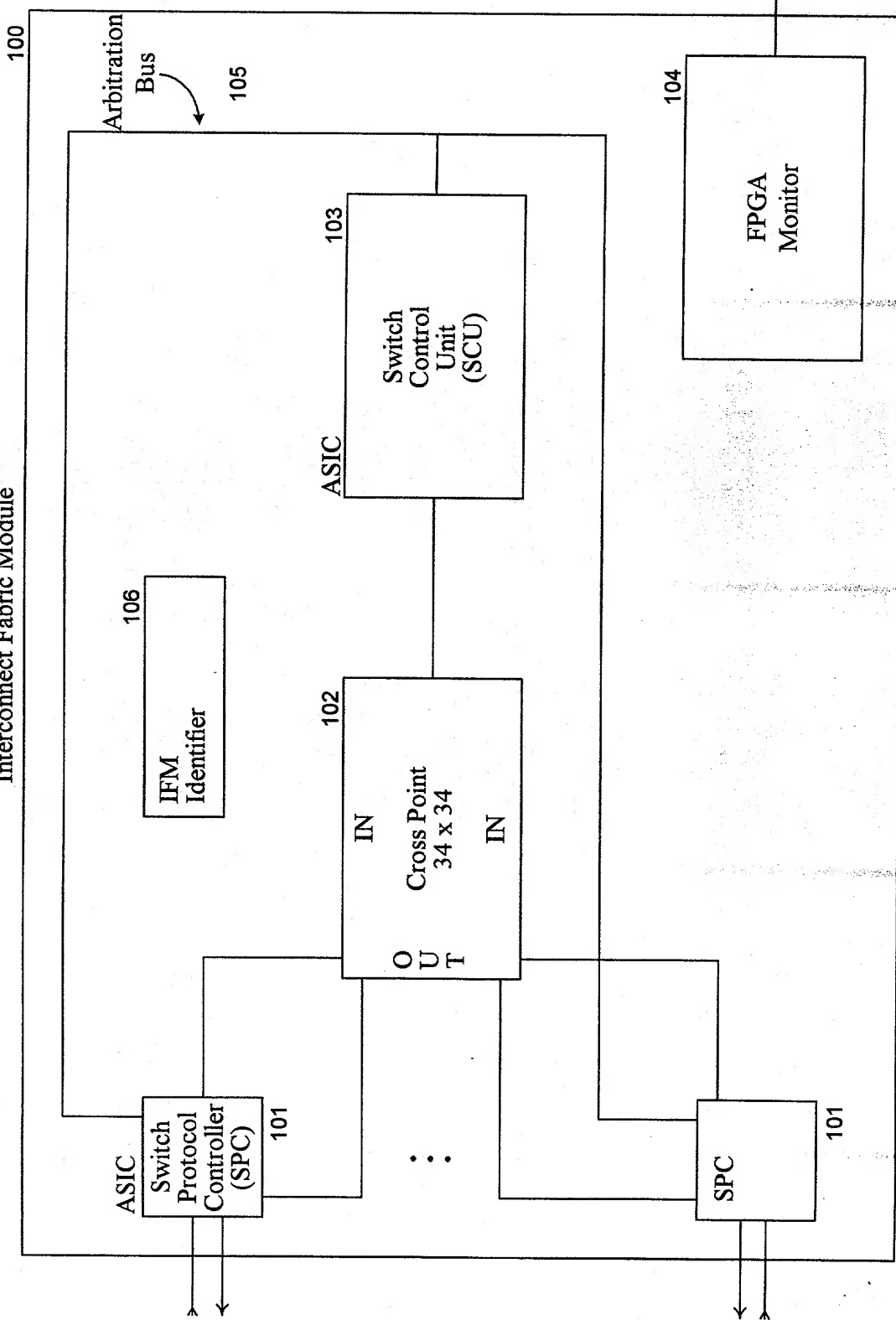
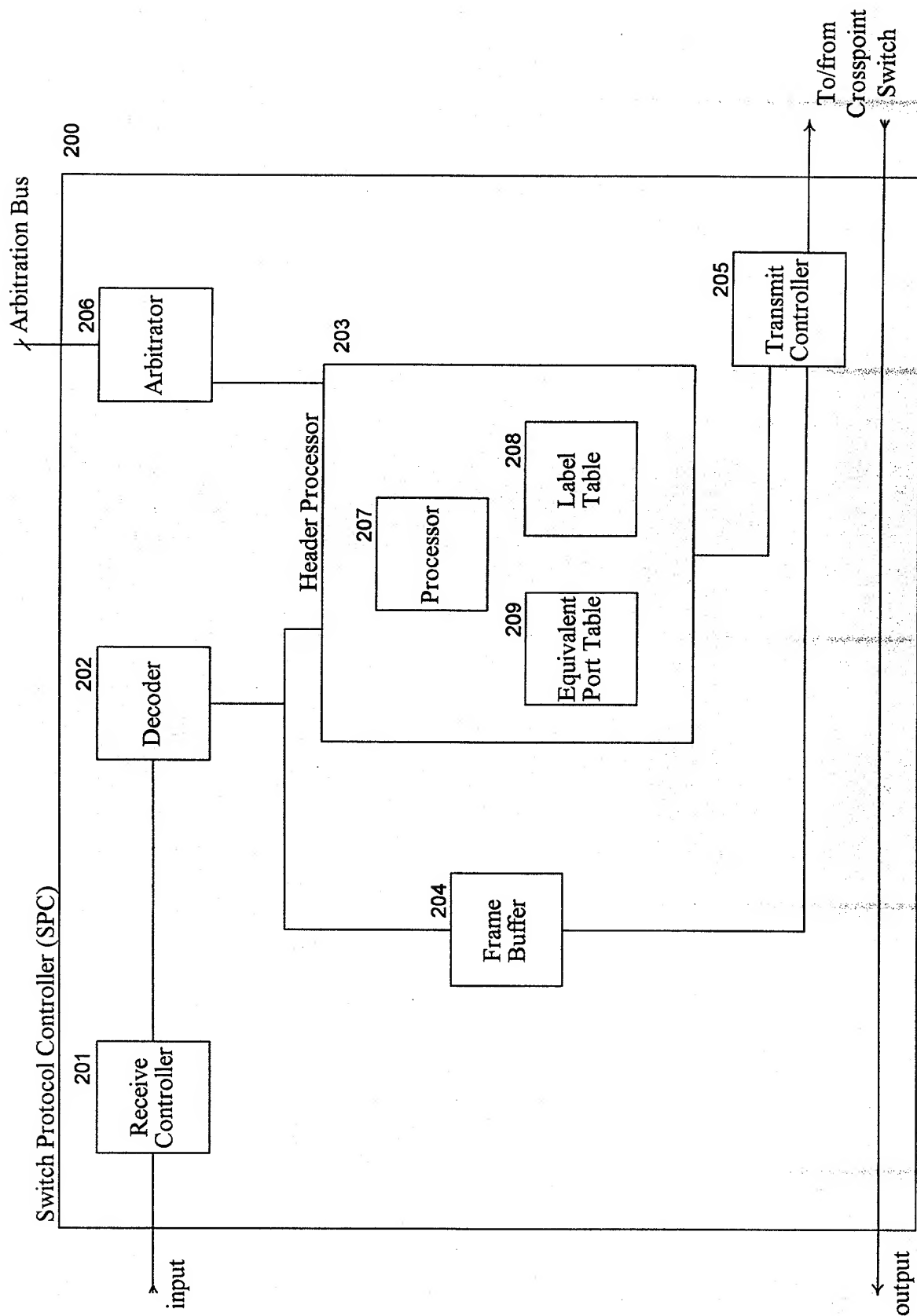


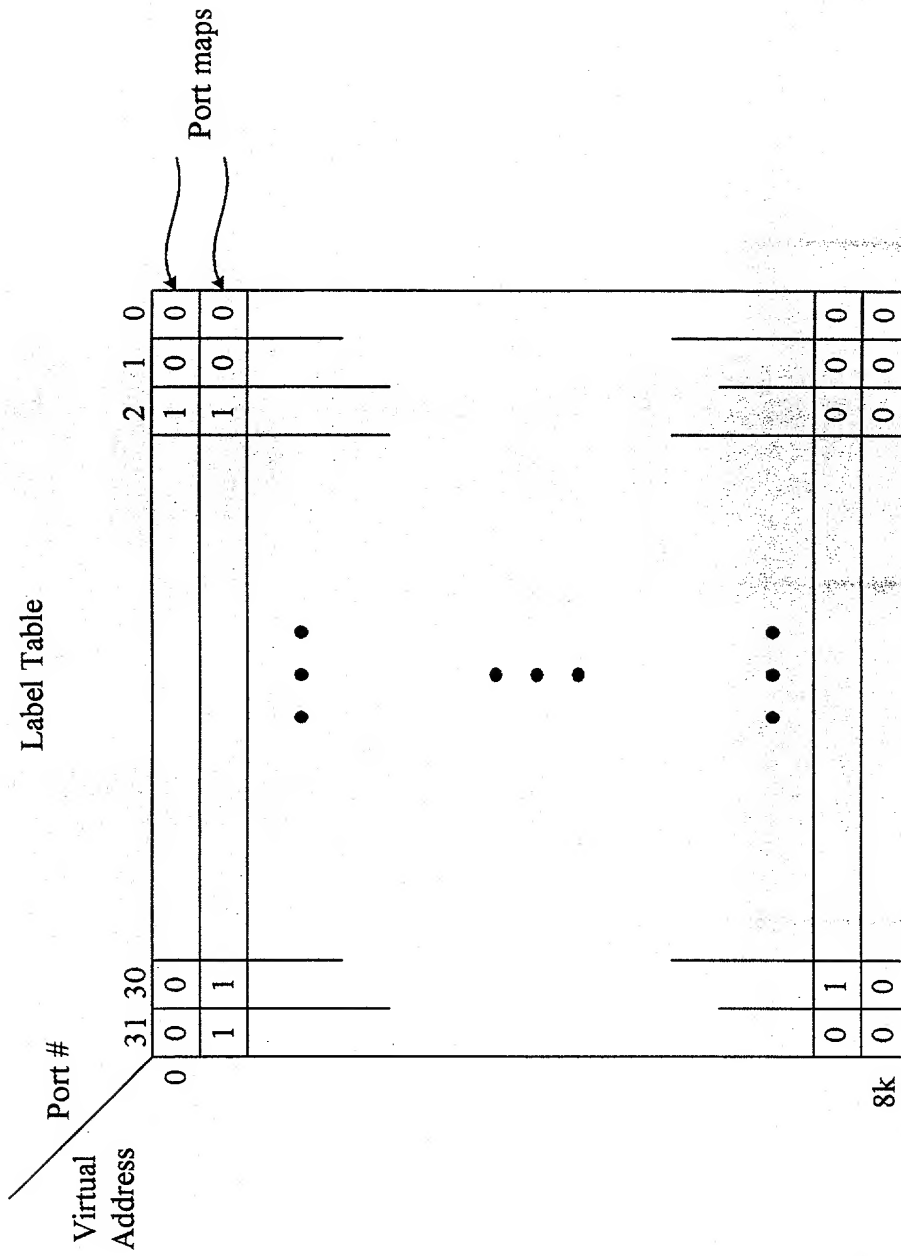
Interconnect Fabric Module



**Fig. 1**

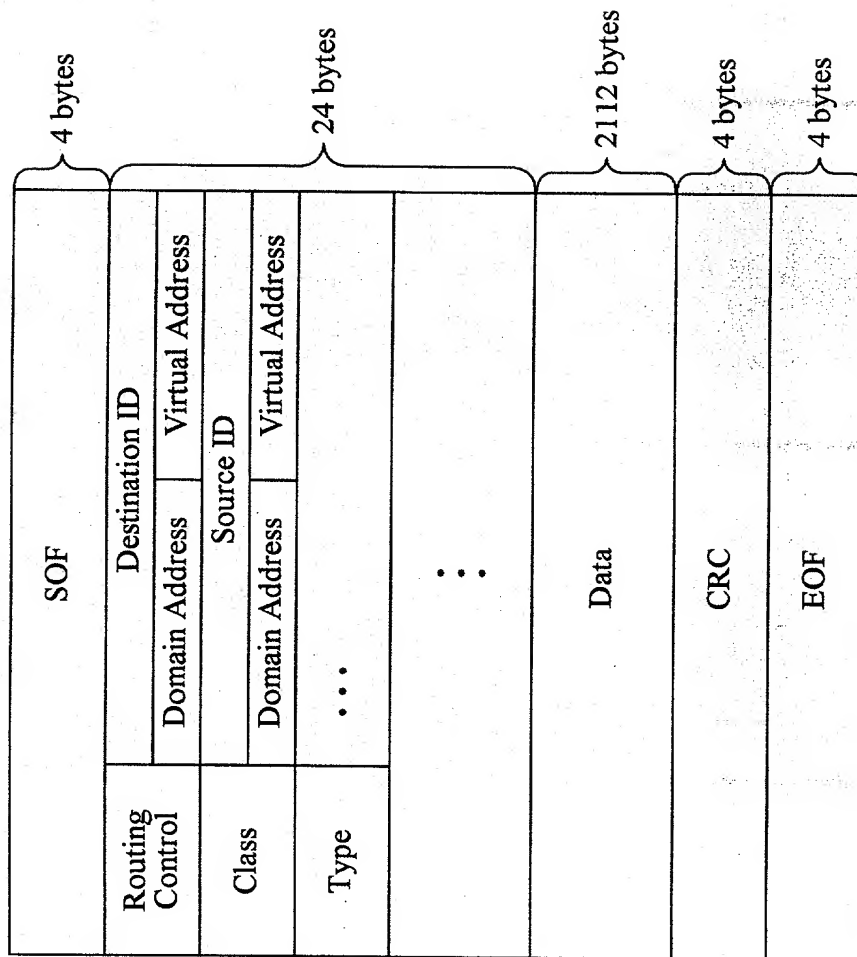


**Fig. 2**

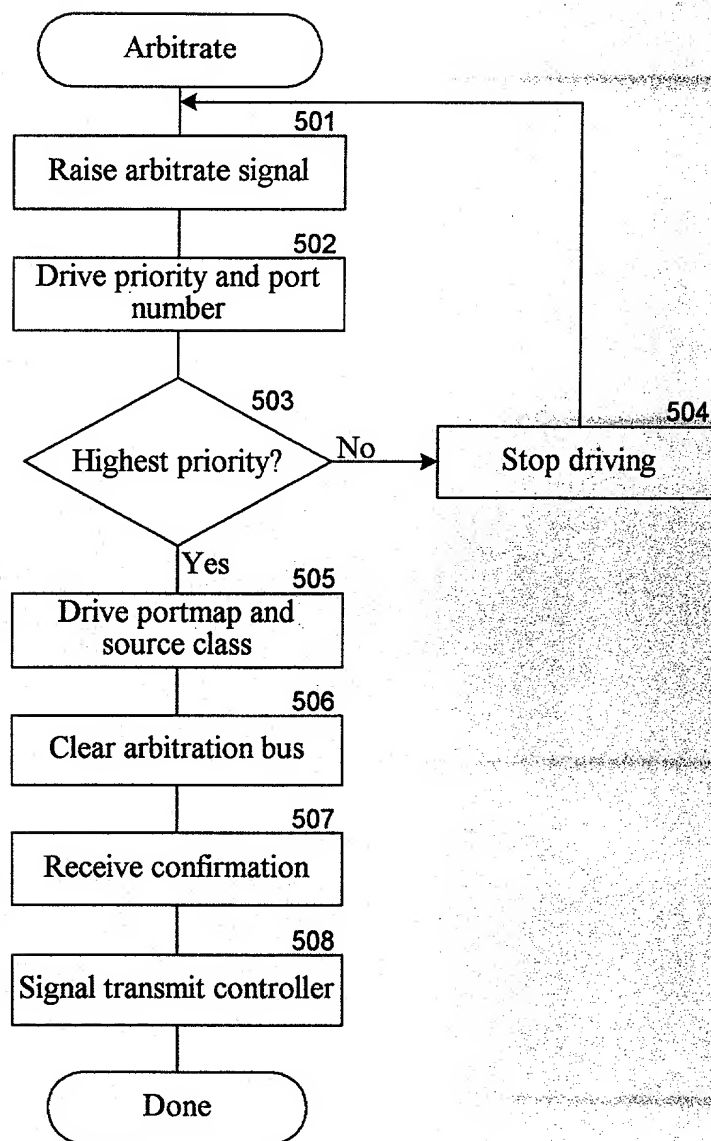


**Fig. 3**

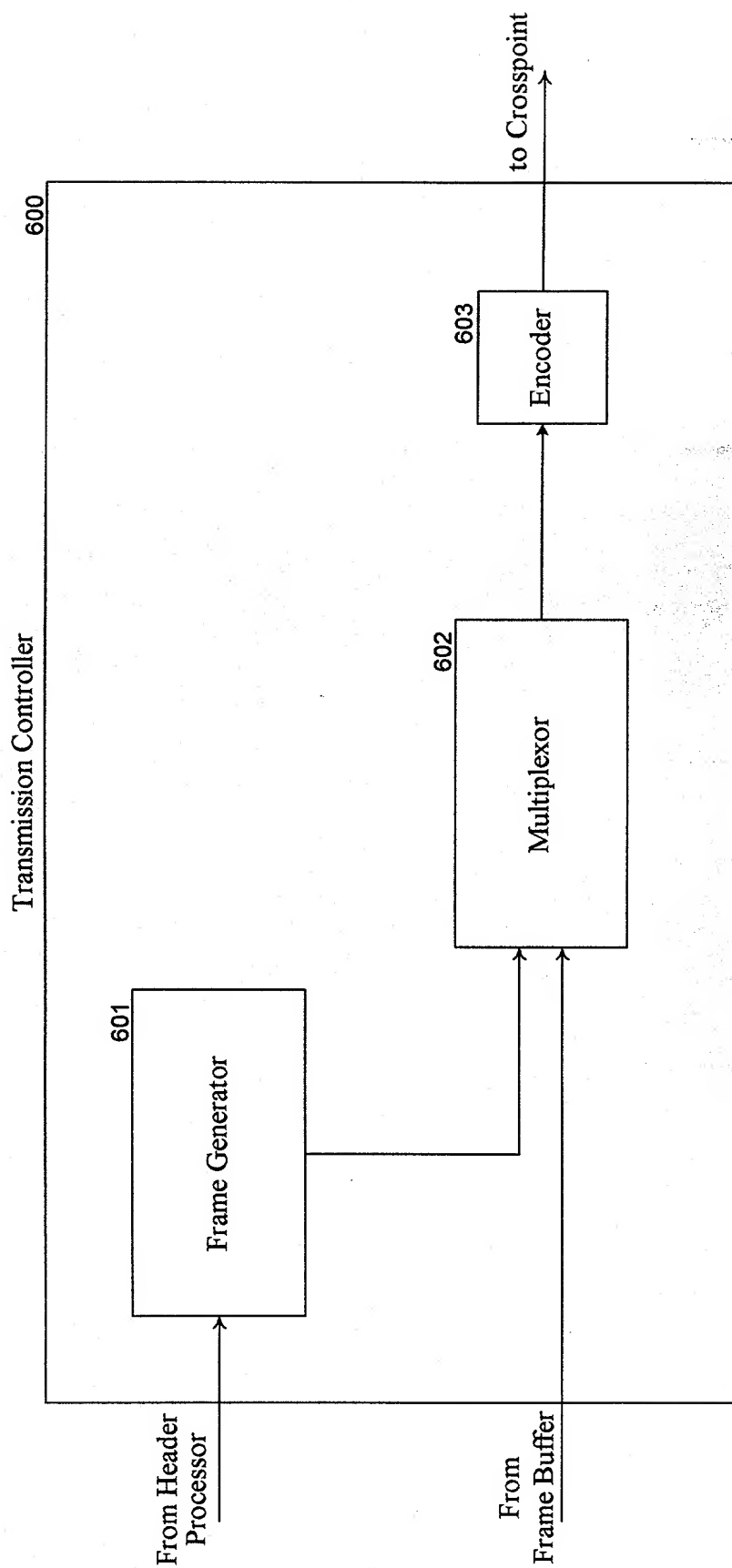
# Frame



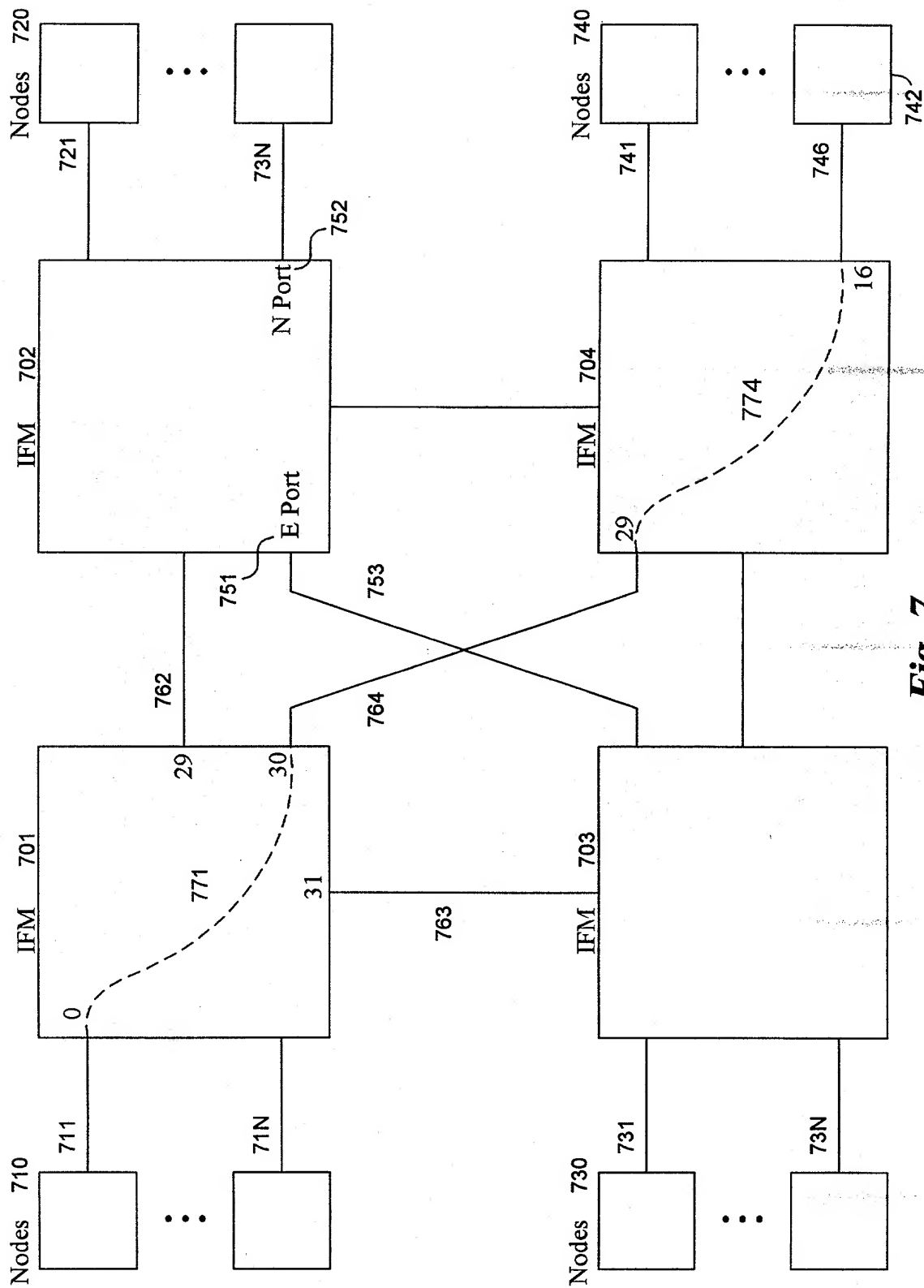
**Fig. 4**



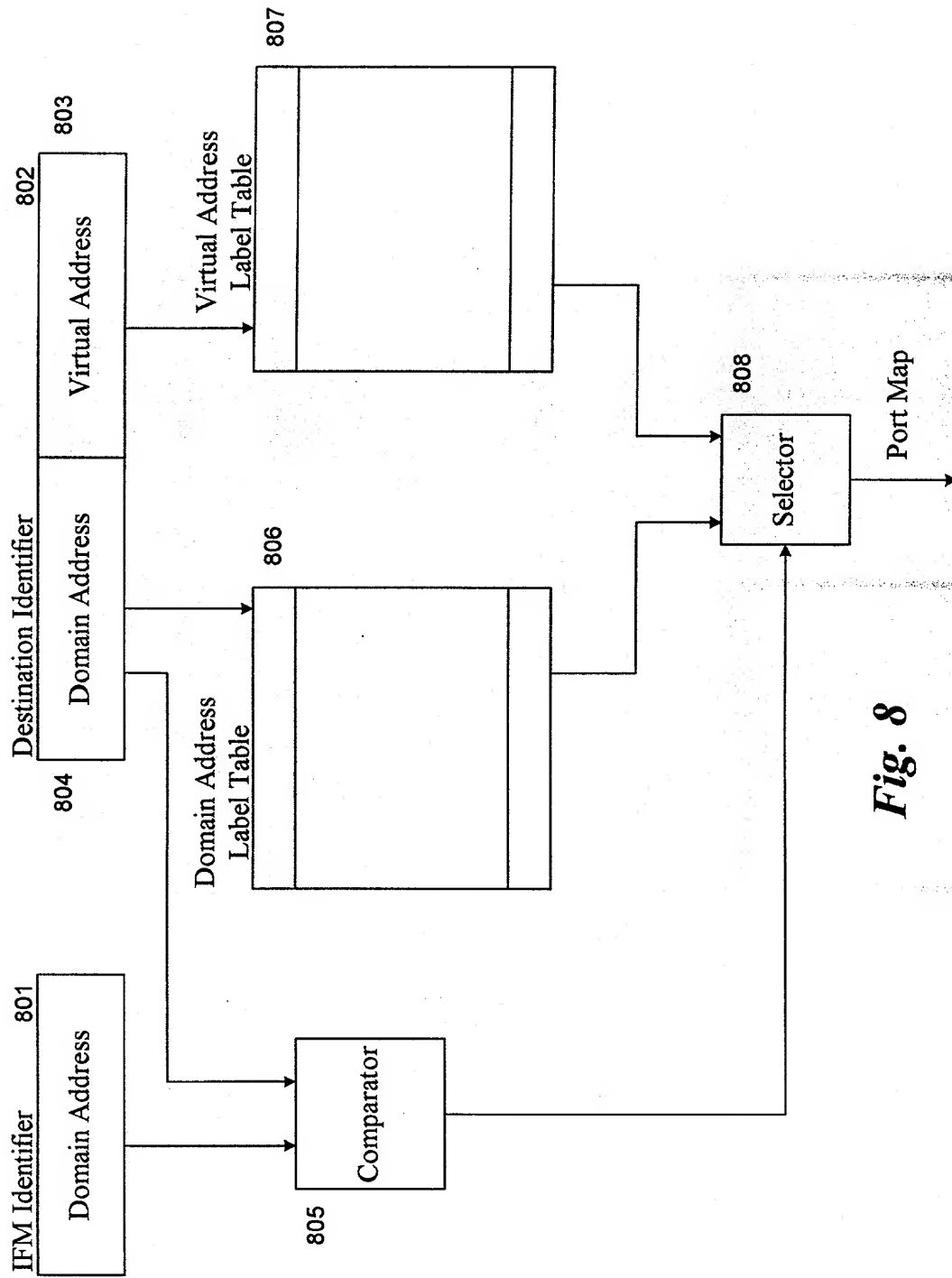
**Fig. 5**



**Fig. 6**



**Fig. 7**



**Fig. 8**



Quad Switch Protocol Controller

900

SPC 910

Label  
Cache

911

SPC 920

Label  
Cache

921

Label Table

950

Extended  
Label Interface

IFM  
Manager

960

SPC 930

Label  
Cache

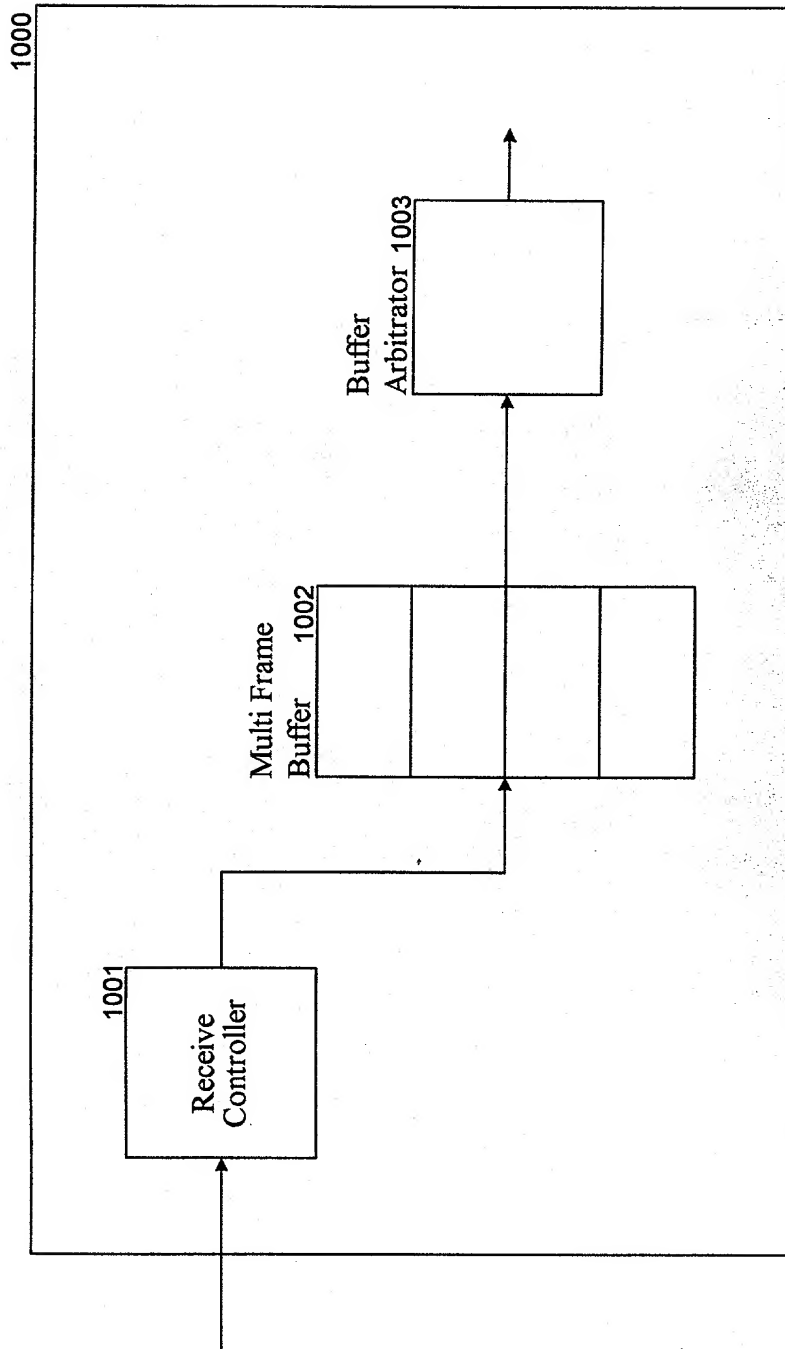
931

SPC 940

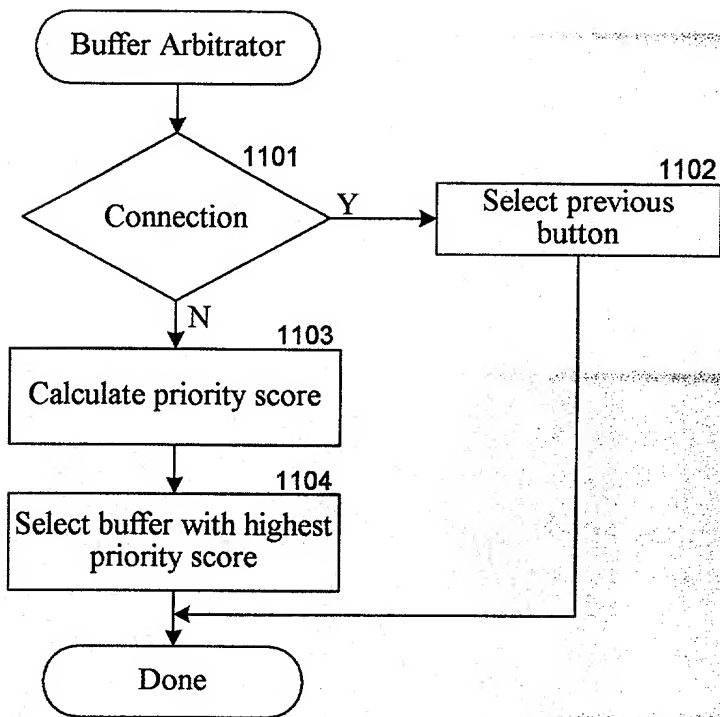
Label  
Cache

941

**Fig. 9**



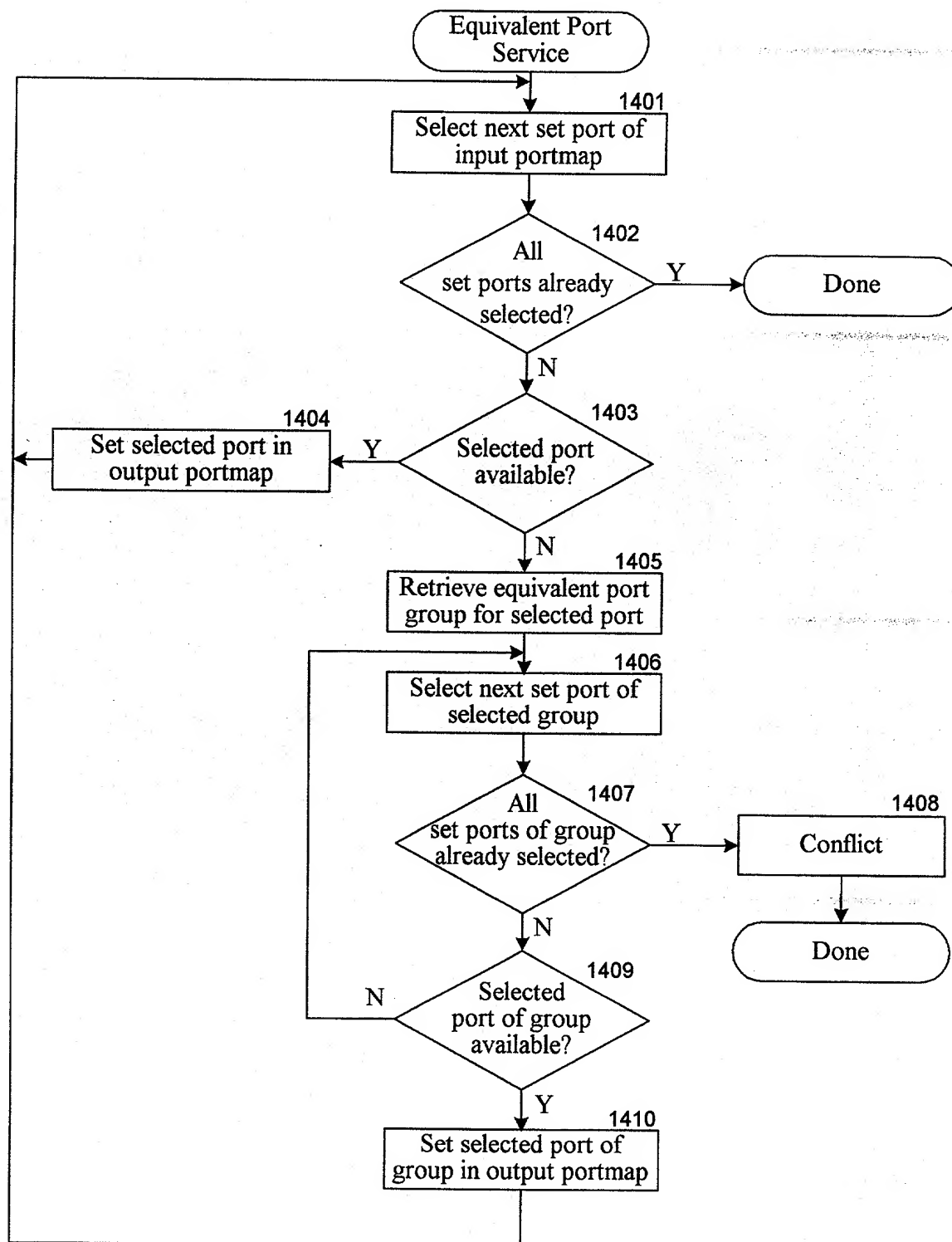
**Fig. 10**



**Fig. 11**







**Fig. 14**

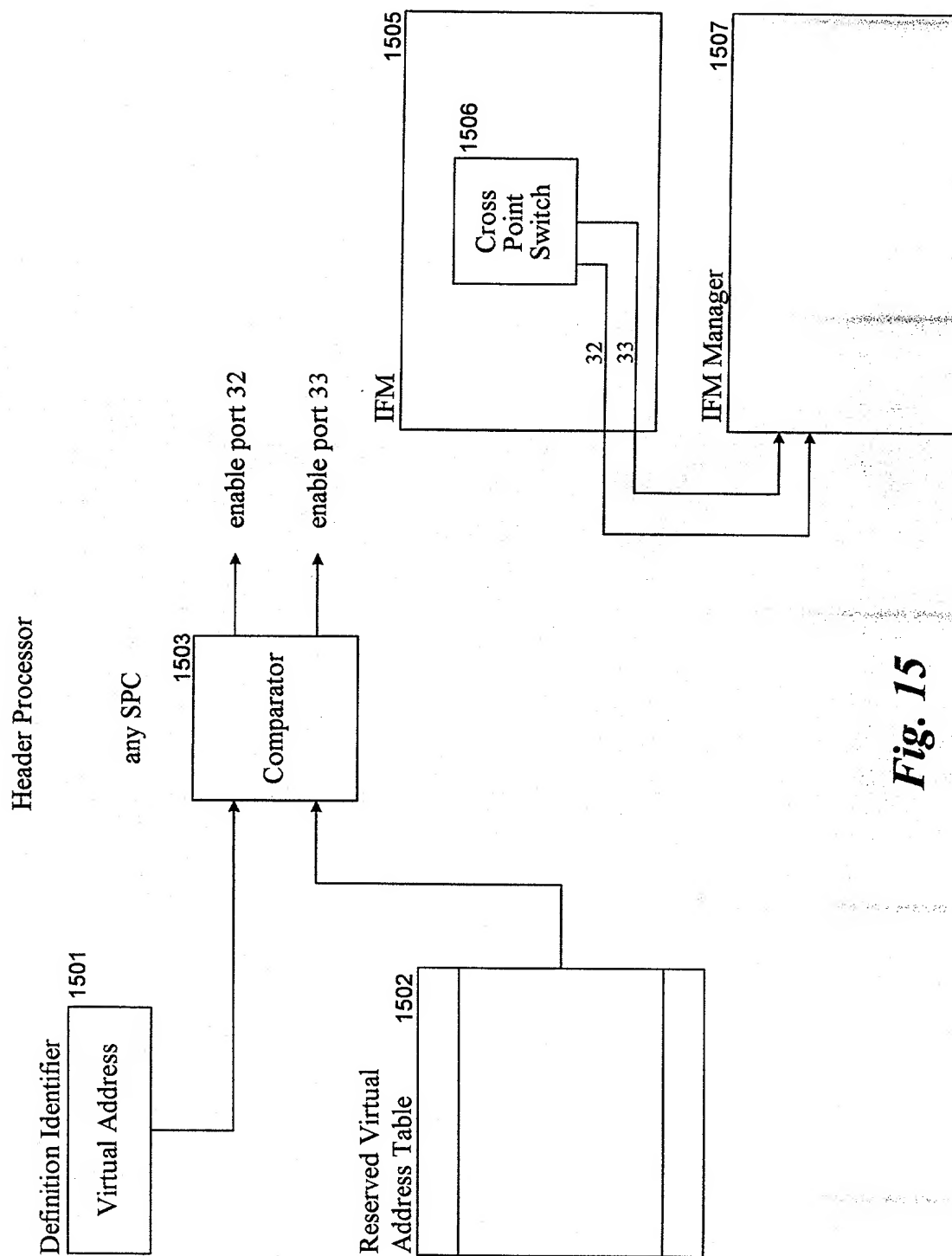
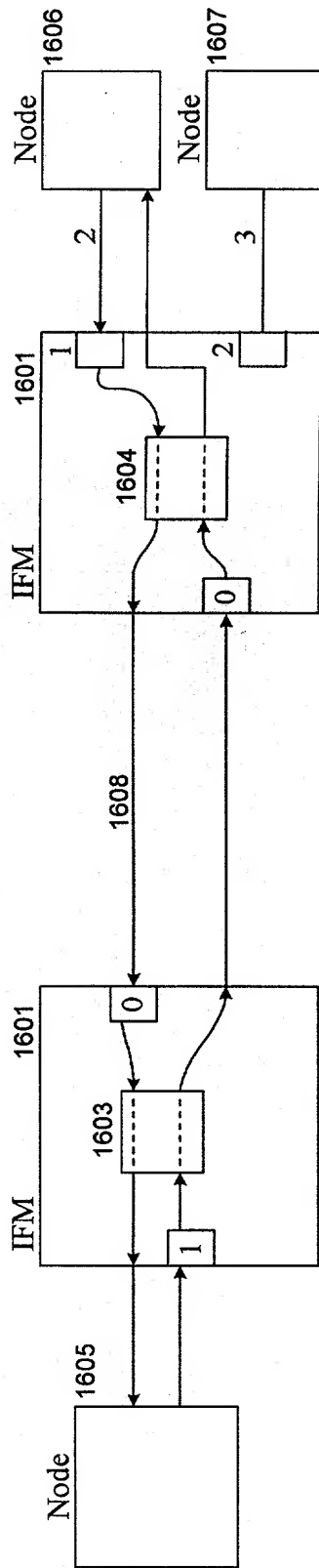


Fig. 15



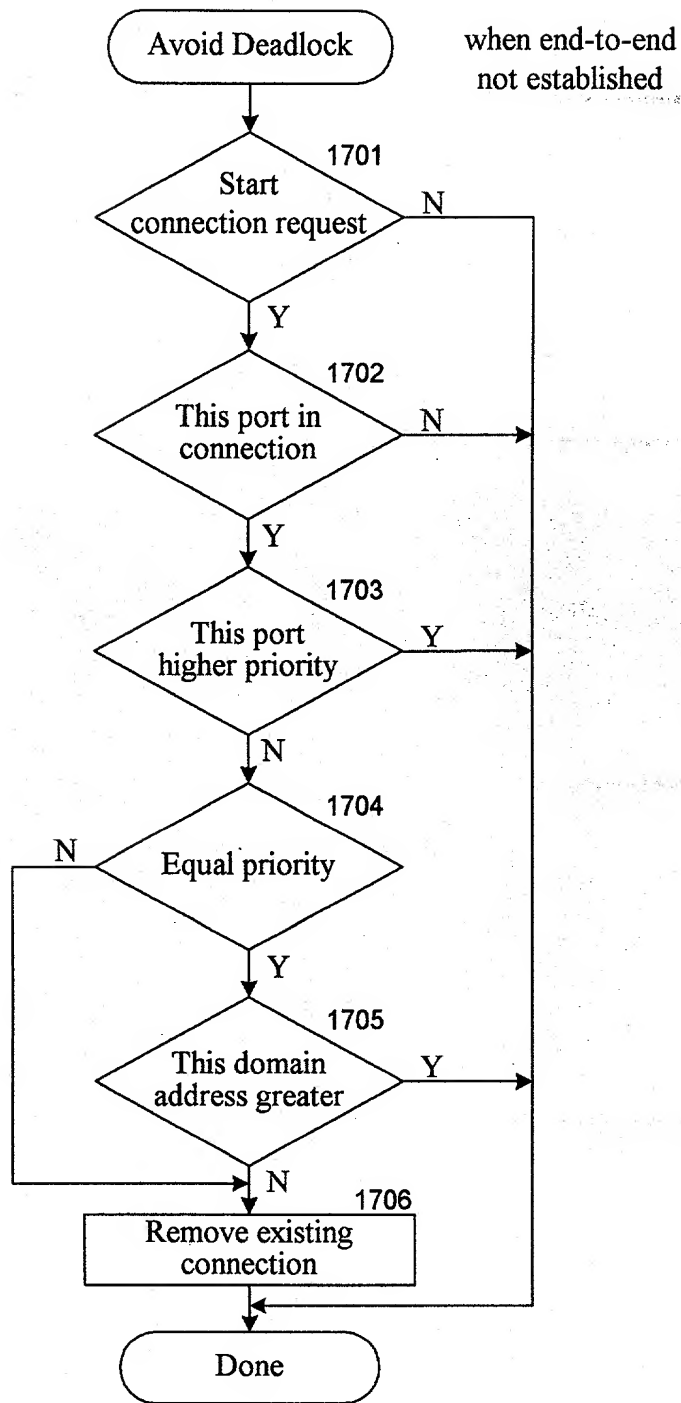
Deadlock  
1610

Time	Node 1605	IFM 1601	Node 1606	IFM 1602
0	Send start connect		Send start connect	
1		Connect 1 $\leftrightarrow$ 0		Connect 2 $\leftrightarrow$ 0
2		Forward start connect		Forward start connect
3		Can't forward start connect Node 1		Can't forward start connect

**Fig. 16**



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**Fig. 17**

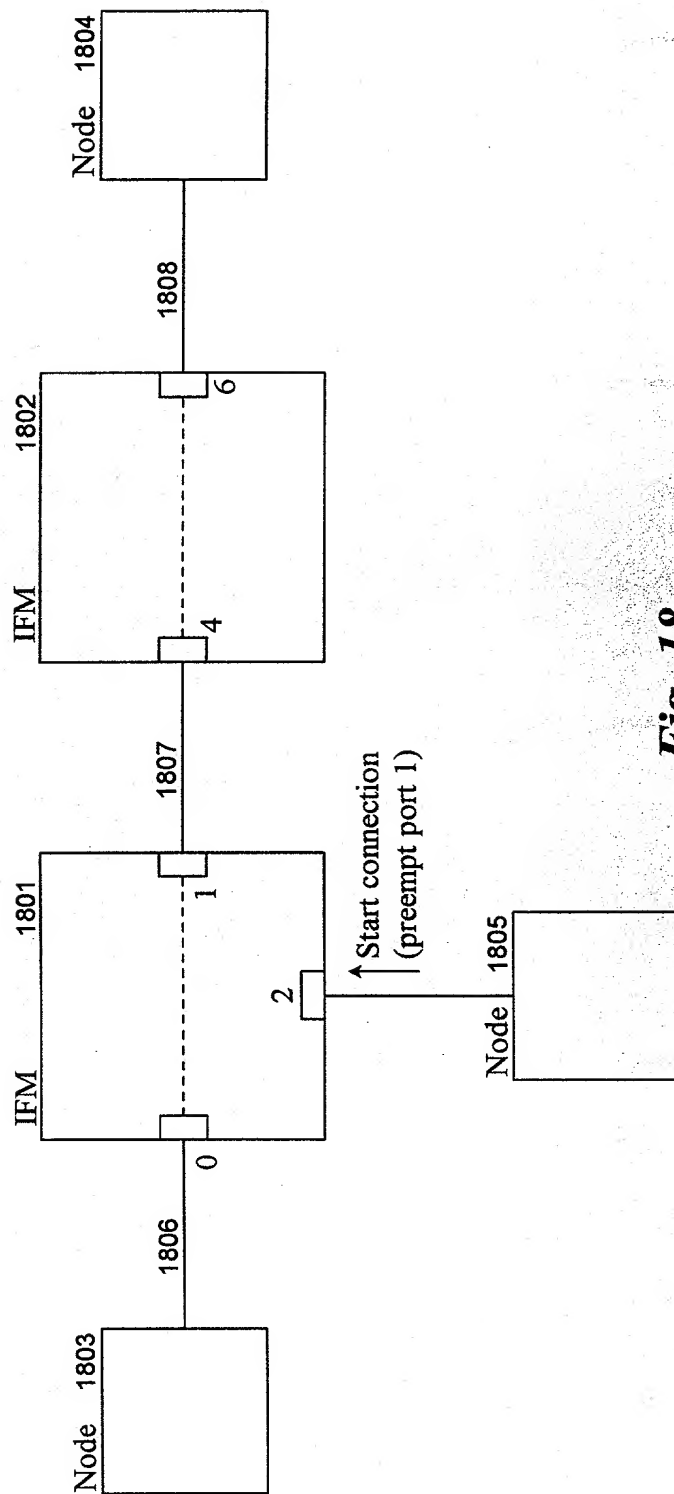
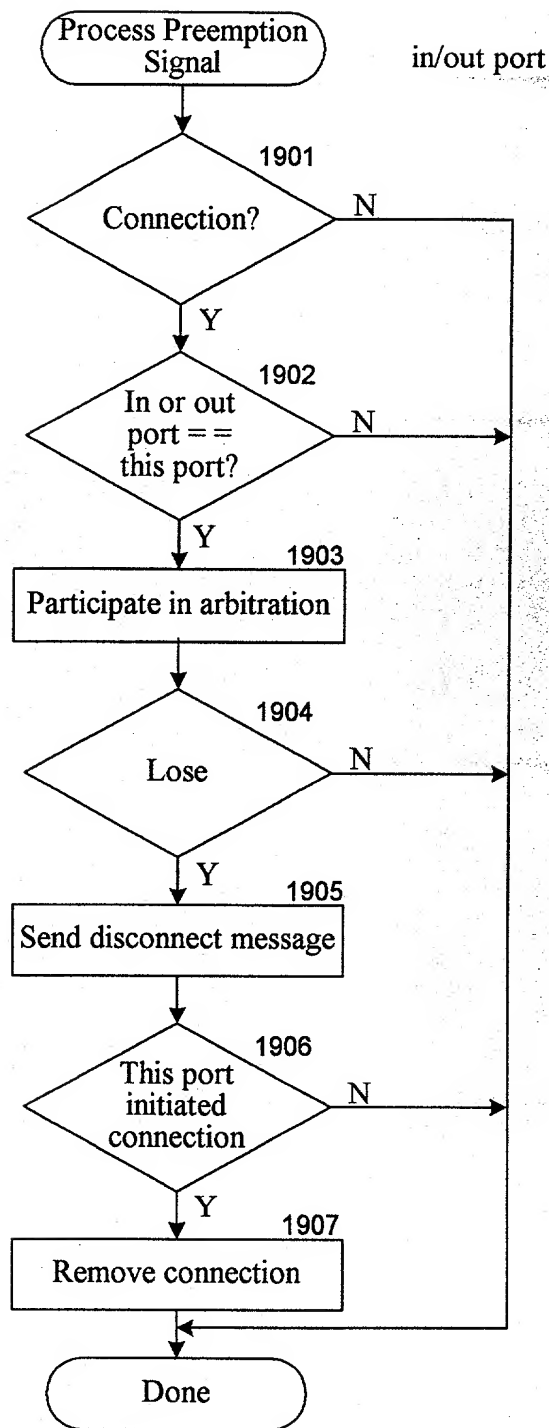
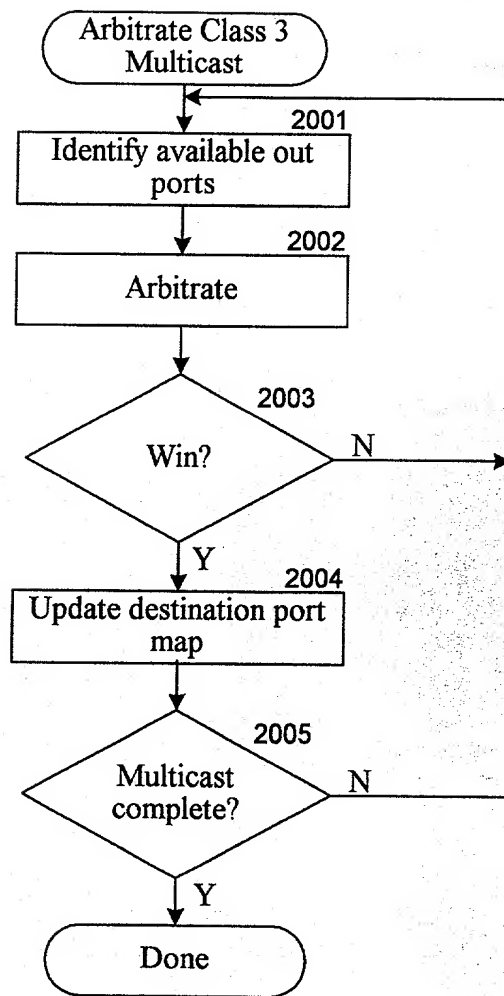


Fig. 18



**Fig. 19**



**Fig. 20**